

RINOL PU-S616

UV RESISTANT COLORED POLYURETHANE COATING

RINOL

1 General data

Product description / Application

RINOL PU-S616 is a ready-to-use, slightly elasticised, coloured, low-emission 2-component polyurethane sealer based on high-quality polyurethane. The LEED v4-certified RINOL PU-S616 has a very low VOC content.

After mixing with the corresponding hardener, RINOL PU-S616 is used to produce sealers and abrasion-resistant thin coatings (0.15–0.30 mm). RINOL PU-S616 has good UV resistance and is particularly suitable as a top coat for RINOL floors with rough surfaces.

RINOL PU-S616 is used as a coloured sealer for surfaces subject to medium mechanical loads, for example production halls.

RINOL PU-S616 can be used as a top coat for RINOL **PARKING** systems, RINOL **PARKING OS11 a LE**, RINOL **PARKING OS11 b LE** and RINOL **PARKING OS8 LE**.

2 Installation instructions

Substrate preparation

The substrate must be clean and free from release agents. All traces of oil, grease, paint residues, chemicals, algae and cement slurry must be removed. It is essential to check whether the substrate is open-pored, porous or similarly absorbent, as this may lead to the formation of bubbles or pores in the coating. This must be checked by the applicator and remedied if necessary.

Before applying RINOL PU-S616, the excess sand from the previous layers must be completely removed, for example from the wear layer of RINOL PU-V414, the HwO layer of RINOL PU-L314 N, or the primer coat of RINOL EP-P214 / RINOL EP-P216.

RINOL PU-S616 must be applied no later than 24 hours after application of the previous layer.

Care must be taken to ensure that no silicone-containing or other substances that may interfere with the reaction come into contact with RINOL PU-S616 before and during the curing phase.

Application

The product is supplied in 2-component containers in the correct mixing ratio. Before processing, the material must be conditioned to at least ambient temperature (room and floor temperature).

The A component must be stirred for at least 1–2 minutes. The B component must then be emptied completely into the A component. Both components must be mixed with a suitable electric mixer for at least 2–3 minutes. Air entrapment during mixing must be avoided. The mixture should then be decanted and stirred briefly again.

RINOL PU-S616 must be applied in portions using a notched trowel and then rolled with a short-pile plush roller.

Reworking

When recoating within 24 hours after installation, the surface layer does not need to be sanded separately. Subsequent recoating is only possible after careful sanding and complete vacuum removal of the sanding dust, otherwise adhesion problems may occur.



Technical data

Liquid mixture (A+B)

1	Container size (2-component container)	25 kg container
2	Colours	RINOL colour chart
3	Shelf life / storage	6 months at 15-20°C, in any case (also during transport) frost-free, protect from direct sunlight

Technical data

Liquid mixture (A+B)

1	Density (20°C)	approx. 1.23 g/cm ³
2	Processing time (20°C)	approx. 10 - 15 minutes
3	Processing / material and room temperature	15-25°C (min. 3 degrees above dew point also during laying and curing)
4	Material consumption (depending on substrate)	approx. 250 - 800 g/m ²
5	Walkability (20°C)	after approx. 18 - 24 hours
6	Rel. humidity	< 80% during the entire laying and curing phase

Technical data

Cured material

1	Adhesive peel strength (DIN ISO 4624)	> 1,5 N/mm ²
2	Full load-bearing capacity mechanical (20°C) chemical (20°C)	after 7 days after 28 days

Maintenance

To preserve the properties of the synthetic resin flooring in the long term, regular maintenance is recommended. Please refer to the RINOL care instructions.

Colour shade

Almost all colour shades are possible. Slight colour deviations are unavoidable due to the raw materials used. Permanent colour deviations may occur with light shades, for example in the yellow or orange range, due to filling with quartz sand.

Protective measures

For information on handling the product, please refer to the valid safety data sheet and the guidelines of the chemical industry on handling coating materials (M004/M023). Suitable protective clothing and safety goggles must be worn during processing.



RCR Flooring Products Italia S.r.l.

Via V. Chiarugi 76/U
I - 45100 Rovigo

Tel.: +39 (0) 425 411 200
Fax: +39 (0) 425 411 222

info.italy@rcrif.com
www.rinol.com

COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001 • ISO 14001
ISO 45001

RINOLPU-S616

UV RESISTANT COLORED POLYURETHANE COATING



Skin contact with liquid resins can lead to health problems and allergies.

Notes

The technical data for the Company's products and systems have been compiled with due care. However, any recommendations or suggestions made with regard to the use of these products are made without guarantee as the conditions under which they are used are beyond the control of the Company. It is the responsibility of the customer to determine whether the products are suitable for the particular application and whether the conditions of use are appropriate for the particular product. No liability can therefore be derived from the product data sheet.

Please note that only the latest version of the data sheet is valid and replaces all previous versions. The technical data given are approximate values determined by us and do not constitute a guarantee of properties. Misprints, errors, translation errors and changes reserved. Please note that the information in the system datasheets may differ in different languages/countries. For further information please visit our website at www.rinol.com.

The technical data sheet does not exempt the user from carrying out his own application tests, if necessary, within the limits of his capabilities. Please refer to the RINOL Technical Guide for information on coating options and more detailed information on the installation of RINOL products.

Important note

In addition to the ambient temperature, the floor temperature is of decisive importance.

Chemical reactions generally proceed more slowly at low temperatures. This extends the recoating and walkability times. The higher viscosity of the products also increases material consumption.

At higher temperatures, chemical reactions proceed more quickly, thereby reducing the recoating and walkability times.

The material must always be protected from water during application. During application, care must be taken to ensure that no drops of sweat or water come into contact with the fresh coating surface, as this may cause foaming. Furthermore, the material must be protected from direct contact with water for approx. 24 hours (at 20°C) after application.

If there is a waiting time of more than 24 hours between the individual work steps, or if surfaces already treated with liquid synthetic resins are to be recoated after a longer period, the old surface must be thoroughly cleaned, sanded and vacuumed.

Applications not expressly mentioned in this technical data sheet may only be carried out after consultation with, and written confirmation from, the application technology department of RCR Flooring Products Italia S.r.l.

The system must always be protected against rear moisture influence and water pressure, even during use.

Legal information:

Due to the different materials, substrates and working conditions, RCR Flooring Products cannot guarantee a specific result or accept liability for any reason whatsoever and/or legal relationship. The latest General Terms and

Conditions of RCR Flooring Products Italia S.r.l. apply, which you can request from us or view and print out at www.rinol.com. We expressly reserve the right to make changes to product specifications.

CE labelling:

DIN EN 13813 "Screed mortars, screed compounds and screeds - Characteristics and requirements" (Jan. 2003) specifies requirements for screed mortars used for indoor floor constructions.

Synthetic resin coatings and sealants are also covered by this standard. Products that comply with the above standard must be labelled with the CE mark.

 RCR Flooring Products Italia S.r.l. Via V. Chiarugi 76/U I-45100 Rovigo	
05 ¹ EN 13813 SR-B1,5-IR4	
1119-CPR-0833 09 EN 1504-2	
Synthetic resin screed/coating for interior use in buildings (structures according to technical data sheets)	
Fire behaviour:	BFL-s1
Water permeability:	NPD ²
Wear resistance (Abrasion Resistance):	NPD ²
Tensile bond strength (Bond):	B 1,5
Impact resistance	IR 4
Impact sound insulation:	NPD ²
Sound absorption:	NPD ²
Chemical resistance:	NPD ²

-1) the last two digits of the year in which the CE marking was affixed

-2) NPD = No Performance Determined; characteristic value not specified

CE marking: 1504-2

Floor systems that are subject to mechanical stresses and whose products comply with DIN EN 1504-2 must also fulfil the requirements of DIN EN 13813.

DIN EN 1504-2 "Products and systems for the protection and repair of concrete structures - Part 2:" "Surface protection systems for concrete" specifies the requirements for the surface protection methods "hydrophobic impregnation" impregnation and coating. If required, the corresponding data sheet can be requested.

EU Regulation 2004/42 (Decopaint Directive):

The maximum VOC content permitted in EU Regulation 2004/42 (product category IIA / j type sb) when ready for use is 500g/l (limit 2010). The maximum content of RINOL PU-S616 in ready-to-use condition is <500g/l



RCR Flooring Products Italia S.r.l.

Via V. Chiarugi 76/U
I - 45100 Rovigo

Tel.: +39 (0) 425 411 200
Fax: +39 (0) 425 411 222

info.italy@rcrif.com
www.rinol.com

COMPANY WITH
MANAGEMENT SYSTEM
CERTIFIED BY DNV
ISO 9001 • ISO 14001
ISO 45001

RINOL*PU-S616*

UV RESISTANT COLORED POLYURETHANE COATING

RINOL

VOC.

GIS Code: PU30

Further information on the GIS code is available from Wingis online at <https://www.wingisonline.de>.